

Voronina, M. N., *Ammonium content of potatoes in plants infected by tobacco mosaic virus*. [Nitrogen exchange in plants infected by viruses].

Bull. Acad. Sci. U.R.S.S., 1939, Ser. Biol., 6, pp. 1103-1113, 1939.

[English summary.]

[Under southern Russian conditions degeneration of potatoes is stated to be correlated with early planting and probably due to high temperatures, and it was found by experiments in Moscow during 1936-7 that potatoes planted in summer differed little from the normal in appearance and chemical metabolism, while those planted in spring showed an increase in ammonical and amide nitrogen both in the tubers and green parts. This increase was also witnessed in plants grown from regenerated tubers under plants at temperatures lower than those prevailing in southern Russia. Similar increases were detected in potato tubers subjected to artificial heating and also in the plants developing from such tubers. Potatoes attacked by rugose or achenia mosaic also showed an increase in ammonium nitrogen but little increase, or even a decrease, in amide nitrogen [cf. R.A.M., xvi, p. 70f; xix, p. 39]; as compared with a value of 100 for tubers and green parts of healthy Epipactis potatoes, the amounts of ammonium nitrogen in early green cones and those affected with rugose mosaic were 242.2 and 230.3 respectively; the corresponding figures for amide nitrogen 55.2 and 36.7, in tubers and 124.8 and 140.1 in green parts, respectively; the corresponding figures for amide content being 134.9 and 108.1 and 112.0 and 94.6, respectively. Similarly, with Hollander potatoes the ammonium nitrogen values in achenia-diseased tubers and green parts were 111.3 and 118.3, respectively, and those of amide nitrogen 55.2 and 36.7, respectively, the values for healthy plants being 100. The nitrogen metabolism of tobacco plants artificially infected with the tobacco mosaic virus varied; the susceptible Nicotiana tabacum var. Havana showed a gradually rising increase in the amount of protein, while the resistant N. glutinosa and N. rustica showed a decrease. The contents of ammonical and amide nitrogen in infected tobacco plants exhibited great irregularity, following apparently no rules.

W. A. S.

AM

PROCEDURES AND SECURITIES INDEX

VOROBIEVA (Mme M. N.). Proteolytic activity of a preparation from Tobacco mosaic virus. — *C.R. Acad. Sci. U.R.S.S., N.S., xxx, 5, pp. 466-467, 1941.*

The results are given of an investigation on the effect of tobacco mosaic virus protein on seven-day-old tomato seedlings thoroughly ground up in a mortar and the destruction of the normal proteolytic enzymes then effected by boiling. By the addition to such preparations of tobacco mosaic protein (obtained by the method of Ryjkoff and Gromyko [*R.A.M., xvii, p. 708*]) together with toluol as an antiseptic and following incubation at 32° C. for 100 hours, hydrolysis of protein took place, the degree of hydrolysis being greater when 0.31 per cent. potassium cyanide was present. It is suggested that this hydrolysis was effected by the virus protein itself or that there had been adsorption of proteolytic enzymes on the surface of the virus protein used.

CLASSIFICATION

ABB-56-A METALLURICAL LITERATURE CLASSIFICATION

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TOMORROW

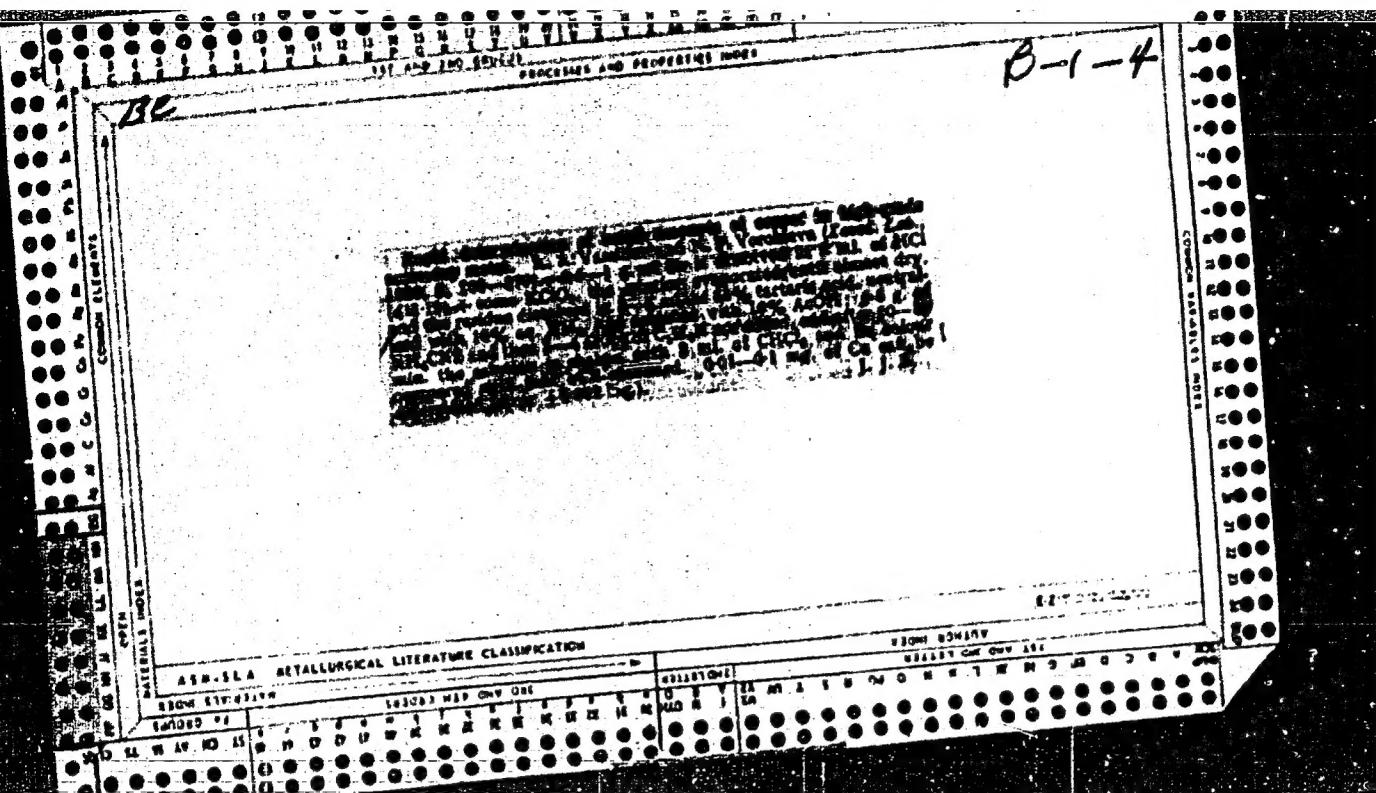
CLASSIFICATION

C 6000 5000

GENERAL

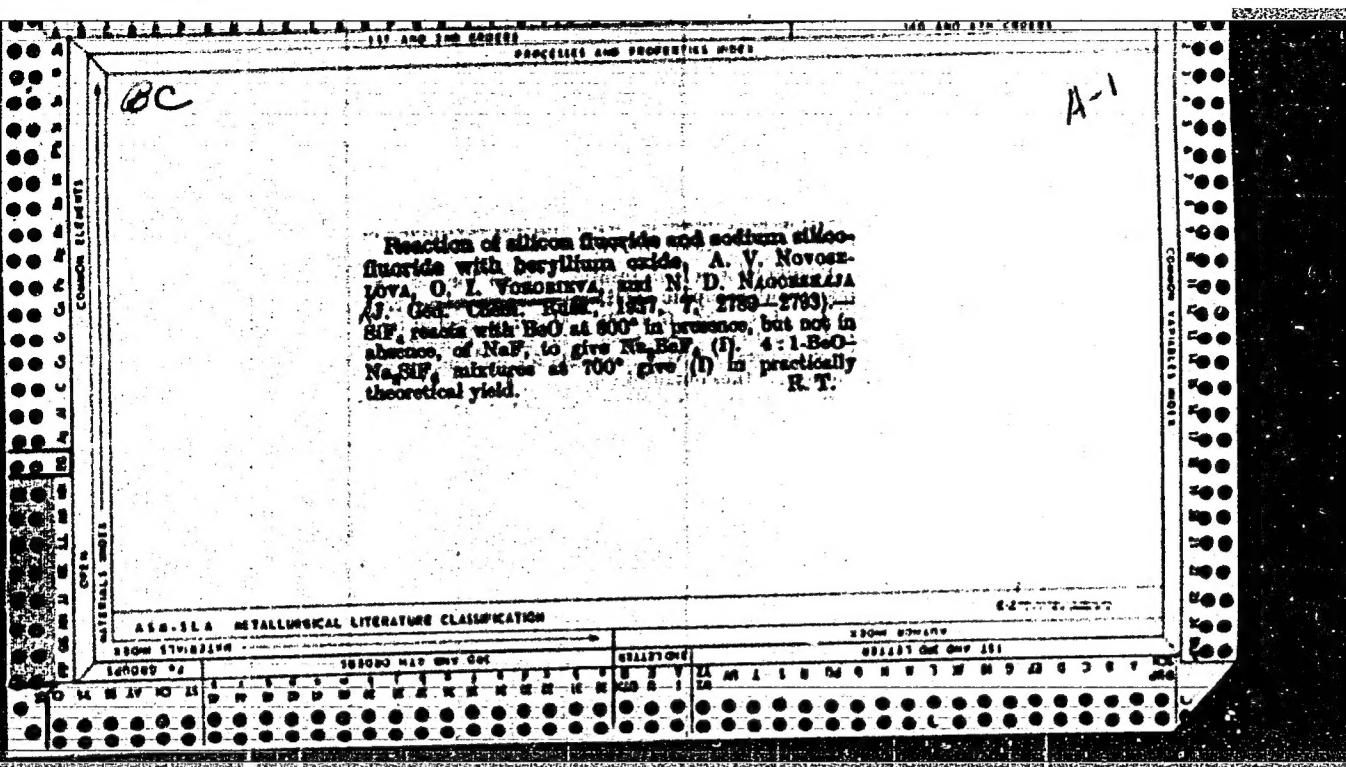
GENERAL AND OVERVIEW

C 6000 5000



VOROBIEVA, O. A.

Vorobieva, O. A. "Petrographic-Geochemical Survey of the South-Eastern Part of the Lovozersk Tundras." In the book: *Khivinskies Apatity, Leningrad, 1933, pp. 210-213.*



Separation of vanadium pentoxide from vanadate solutions containing hexavalent chromium. E. F. KRAUKE and O. I. VOROBIEVA (J. Appl. Chem. Russ., 1937, 10, 197-201). 95-98% of the V^V present in vanadate solutions is pptd. by adding HCl to 0.03-0.18*N*. The ppt. does not contain Cr. R. T.

R. T.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860810017-9"

Reduction of quinquevalent vanadium compounds by hydrochloric acid. E. F. KRATZ and O. I. VORONINA (Sci. Rep. Moscow State Univ., 1955, No. 6, 5-13).—The velocity of reduction of V^{V} to V^{IV} , by HCl or $[HCl]$, (NH_4VO_3) , and temp. The reaction is: $V_2O_5 + 6HCl \rightarrow 2VOCl_3 + 3H_2O$; $2VOCl_3 \rightarrow 2VOCl_2 + Cl^-$. In pptg. V_2O_5 from vanadates by HCl the acidity should be $> 5N$ at room temp. or $2.5N$ at 100° . R. T.

a-1

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860810017-9"

Iodometric determination of beryllium in complex fluorides. A. V. Novozlova and O. I. Voskresenskaya (J. Appl. Chem. [Rus.], 1959, 40, 350-354). To 20 ml. of 10% K_2EDTA and 20 ml. of 20% CaCl_2 are added to 20 ml. of the fluoride solution (containing 0.1-10 mg. of Be^{2+}) the solution is heated on (100°) for 2 hr., and the I_2 liberated is titrated with 0.02-0.1 M $\text{Na}_2\text{S}_2\text{O}_3$. B. T.

d-1

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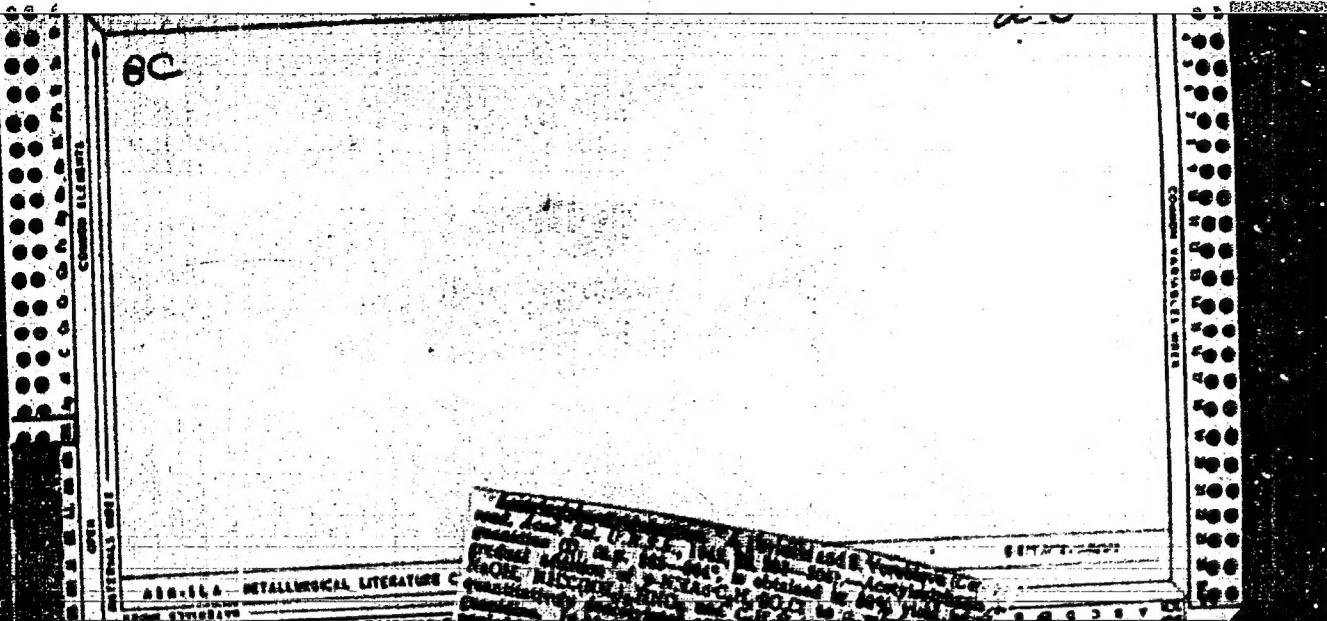
ASTM A METALLURGICAL LITERATURE CLASSIFICATION
FROM 1977-1980

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860810017-9"

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860810017-9



APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860810017-9"

B-1-3

Determination of insoluble impurities in mineral oils and vaseline. S. I. VOLKOVIA AND Z. F. KERZAKOV. (Clevet, 1938, 7, 1820-1821).—The oil or vaseline is dissolved in light petroleum, the solution allowed to settle, the supernatant liquid poured off, and the residue washed by decantation and weighed. Heavy particles in vaseline are detected by adding an equal vol. of H₂O, and boiling, when sand or other mineral impurities sink to the bottom of the container. R. T.

ASA-8A METALLURGICAL LITERATURE CLASSIFICATION

FROM STEELWORKS
100000 MAY 1971

QUALITY

CATALOGUE NUMBER

FROM BOMAR

001111 001 000 111

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VORD BIEVA

14. Wet method of determining gold in gold. O. E. STERKEL.
V. A. Varykino, and P. V. Schuchard *Journ. Lab.*, 1910, 6, 505.
15. Wet method of gold. 10 g. As is added, with shaking, to 10-15 g. of MnO_2 ,
or oxide ore, in a permanent brass combustion tube, when the solution is
filtered. 10 g. of Hg are added per 100 ml. of filtrate + washings,
and the residue of solution is added to 1 ml. The washed precipitate is then
dissolved in HNO_3 , and the residual As is reduced and dissolved in
a closed vessel. The solution is decomposed to dryness, the residue of
As being dissolved in 1 ml. of H_2O_2 , and 0.1 ml. of this solution placed
on filter paper impregnated with MnO_2 . The intensity of coloration
is given in comparison with that given by 0.1 ml. of standard. The
error varies from 8 to -10%; in the case of sulphide ore the
accuracy is very low, even with special treatment of the mineral. P. T.

1.1.1.6 - METALLURGICAL LITERATURE CLASSIFICATION

18000 1994 LRW

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860810017-9"

VOROBIN, L.D.

Three-dimensional milling of turbine blades by longitudinal
strokes. Mashinostroitel' no.12:29 D '63. (MIRA 17:1)

VOROBIN, L.D.

Electric pulse machining of metals at the Kaluga Turbine Plant.
Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch. i tekhn.inform.
no.6:21-24 '62. (MIRA 15:7)
(Kaluga—Electric metal cutting)

VOROBIN, L.D.

Fine milling instead of scraping. Biul.tekh.-ekon.inform.Gos.nauch.-
issl.inst.nauch.i tekhn.inform. no.5:43-45 '62. (MIRA 15:7)
(Milling machines)

VOROBIN, L.D.; REZNIKOV, D.M.

New welding tip for an A-489 automatic welding head. Lit.
proizv. no.6:39 Je '63. (MIRA 16:7)

(Electric welding—Equipment and supplies)

VOROB'IVA, O. I.

Vorob'iva, O. I., Novoselova, A. V., "The System $Na_2BeF_4 - H_2O$." (p. 557)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1948, Volume 18, No. 4

VOROBIYEV, A.

Instructional work of the technical education combine. Prof.-tekh.
obr. 12 no.4:29-31 Ap '55. (MLRA 8:7)
(Donets Basin--Technical education)

VOROBIYEVSKIY, M.

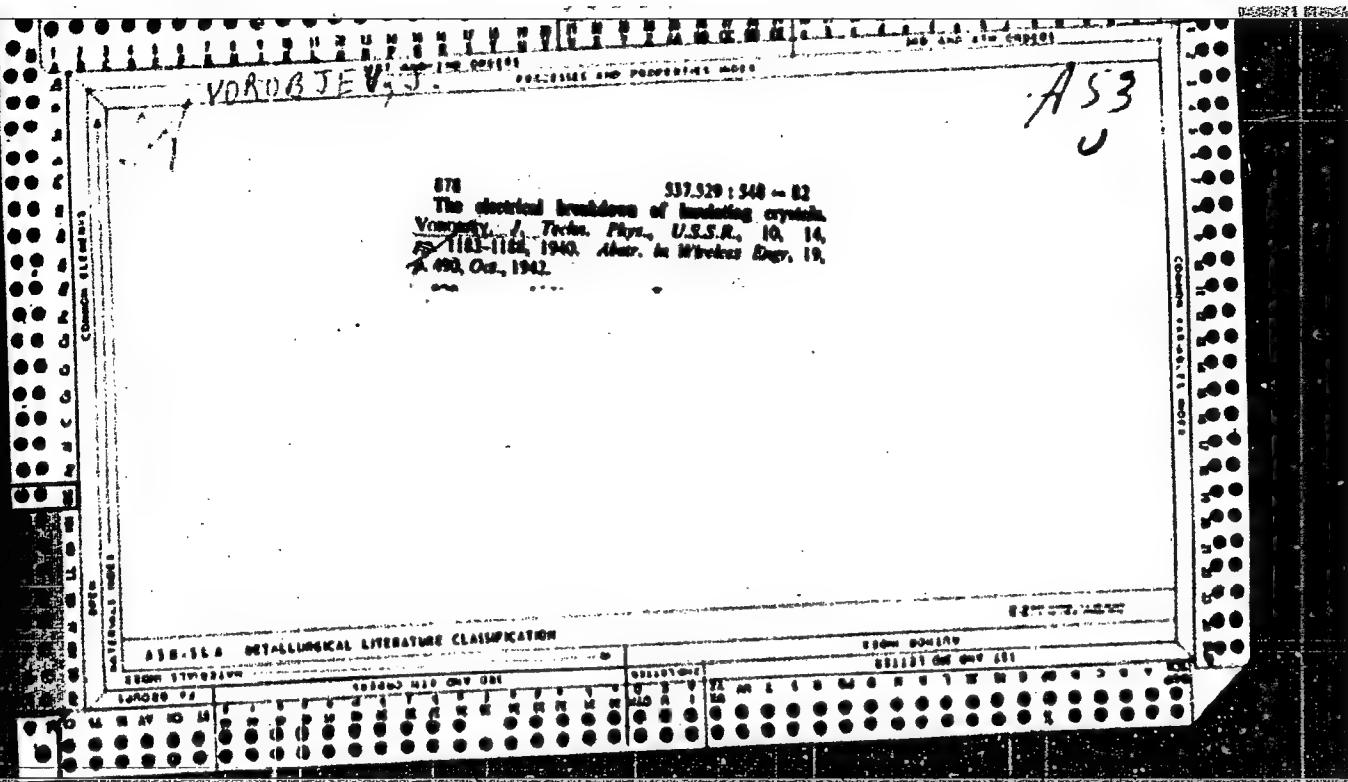
Introduce new and progressive methods into industrial construction.
Na stroy.Ros. no.2:3-6 F '61. (MIRA 14:6)

1. Zamestitel' predsedatelya Krasnoyarskogo sovnarkhoza.
(Krasnoyarsk Territory—Construction industry)

VOROBIYEVSKIY, M.

Industrial construction should be done at a fast rate. Na
stroi.Ros. 3 no.4:16-18 Ap '62. (MIRA 15:9)

1. Zamestitel' predsedatelya Krasnoyarskogo soveta narodnogo
khozyaystva.
(Krasnoyarsk Territory—Construction industry)



BC

PROCESSING AND PROPERTY INDEX

a-1

Kinetics of hydrolysis of esters in alkaline media. V. A. Gol'moskovic, N. K. Yagodinsky, and I. V. Potanov (J. Gen. Chem. Russ., 1936, 6, 757-763). The velocity constn. k of hydrolysis by aq. NaOH of a no. of esters, $R'CO_2R'$ at 10°, 20°, and 30° fall with increase in the no. of C atoms in R and R' , for a given R , $k_{10}/k_{20} = 0.87$, $k_{20}/k_{30} = 0.84$, and $k_{10}/k_{30} = 0.63$, but for a given R' , $k_{10}/k_{20} = 0.84$, and $k_{20}/k_{30} = 0.62$. It is concluded that the activity constn. and the energy of activation both fall with increase in mol. wt. of the ester. R. T.

AIAA METALLURGICAL LITERATURE CLASSIFICATION

ECONOMIC

SECOND SUBJECT	SECOND KEY WORD	COLLECTION
SECOND SUBJECT	SECOND KEY WORD	COLLECTION

VOROBIEVA, M. P.

"Dissolution du sulfure de mercure dans une solution acide diiodure de potassium".
Vasiliev, A. A.; Vorobjeva, M. P. (p. 1764)

SO: Journal of General Chemistry
(Zhurnal Obshchei Khimii) 1939, Volume 9, #19

VOROBIEVA, R.S.

Occupational poisoning by cadmium oxide. J. Hyg. Epidem., Praha 2
no.2:244-249 1958.

1. I. Moskauer medizinisches Institut Lehrstuhl fur gewerbe Hygiene,
Moskau G-48, Pirogovskaja 2/6, U. S. S. R.
(CADMIUM, poisoning
occup. cadmium oxide pois. (Ger))
(OCCUPATIONAL DISEASES,
cadmium oxide pois. (Ger))

Influence of a concentrated space charge on the electrical insulation of calcite. A. V. VENAKOVRICK and A. VASIL'EV (Physical. Z. Sovietunion, 1933, 10, 418-420).—The discharge potential of calcite in a homogeneous field is decreased by preliminary polarization of the crystal when the discharge occurs in the direction of the polarization and is increased when the directions of polarization and discharge are opposite. The results are best explained by Fowler's theory (cf. A., 1933, 887). O. D. S.

BC

0-1

VOROBJOV, V.

Determination of methylol groups in formaldehyde resols. p. 408.
CHEMICKE ZVESTI. Vol. 9, no. 7, Sept. 1955. Bratislava.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Application. Refining Solid Fuel Minerals.

Abs Jour : Ref Zhur - Khimiya, No 17, 1958, 58631

Author : Vorobjov, Vladimir

Inst :
Title : Method of Evaluating the Usefulness of Higher Fractions
of Coal Tar for the Production of Phenol-Formaldehyde
Tars.

Orig Pub : Chem. prumysl, 1958, 8, No 1, 50-51

Abstract : According to a method worked out, xylene and cresol
fractions of tar that are intended for the production
of artificial tars are brominated with a 0.1 normal
solution of $KBrO_3$, KBr in an acid methanol medium, with
indications of the point of equivalence by means of a
rotating Pt-electrode. It is noted that the method
gives reproducible results for the determinations both
of pure phenols and of technical products;

Card 1/2

- 59 -

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application. Refining Solid Fuel Minerals.

H-22

Abs JOur : Ref Zhur - Khimiya, No 17, 1958, 58631

the model functional dependencies found, expressed in
roles of Br in 1 mole of a homolog of phenol, conform
practically to those obtained during reactions with
formaldehyde.

Card 2/2

VOROBJOVA, E. I.

"Acridines oxy- et methoxysubstituees." S. M. Serline, G. I. Braz, A. J. Jakoubovic,
E. I. Vorobjova et F. E. Rabinovic. (p. 898)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1938, Vol. 8, No. 10

L 09351-67 EWT(n)/EWP(w)/EWP(t)/ETI- IJP(c) JD SOURCE CODE: UR/0185/66/011/007/0745/0751
ACC NR: AP6031315 65

AUTHOR: Hlynchuk, K. D. - Glinchuk, K. D.; Denysova, A. D. - Denisova, A. D.;
Lytovchenko, N. M. - Litovchenko, N. M.; Vorobkalo, F. M.

ORG: Institute of Semiconductors AN UkrSSR, Kiev (Instytut napivprovodnykiv AN URSR)

TITLE: Change in the electric and photoelectric properties of silicon by heat treatment 17 21

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 11, no. 7, 1966, 745-751

TOPIC TAGS: silicon semiconductors, Hall effect, photoconductivity, relaxation process, semiconductor carrier, electron recombination, photon emission, impurity center

ABSTRACT: The authors heated single-crystal silicon in evacuated quartz ampoules and measured the Hall effect, the stationary intrinsic photoconductivity, and the photo-magnetic emf. The impurity photoconductivity studied with a spectrometer and recorded with a synchronous detector. The photoconductivity relaxation kinetics was investigated by applying light pulses. The concentration of the equilibrium carriers (electrons and holes) were determined from the Hall effect. The production of adhesion and capture centers was effected by heating to various high temperatures. The results show that heat treatment of n-Si at 1050°C and of p-Si at $T > 750^\circ\text{C}$ leads to

Card 1/2

L 09351-67

ACC NR: AP6031315

formation of centers which greatly influence the concentration of the equilibrium carriers and the intrinsic and impurity photoconductivities. Recombination of the carriers through some of the centers can occur, accompanied by photon emission. These centers are connected with diffusion of the impurities from the surface and the formation of impurity complexes, or else with structure defects. Annealing at temperatures close to 500C deactivates the thermally induced adhesion and capture centers.
Orig. art. has: 7 figures.

SUB CODE: 20/ SUEM DATE: 23Aug65/ ORIG REF: 004/

Card 2/2 m/s

VOROBKALO, M.I., nauchnyy rabotnik

Automatic unit to be used in ultraviolet irradiation of animals.
Mekh. sil'. hosp. 9 no.10:20-21 0 '58. (MIRA 11:10)

1. Zaporozhskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta elektrifikatsii sel'skogo khozyaystva.
(Ultraviolet rays--Physiological effect)

VOROBKALO, M.I., inzhener-elektrik.

Automatic switching-on of electric light in poultry houses. Mekh.
sil'. hosp. 8 no.9:21 S '57. (MIRA 10:9)
(Poultry houses and equipment) (Electric lighting)

VOROBKALO, M.I., nauchnyy sotrudnik

Automatic single-rail ropeway. Mekh.sil', hosp. 10 no.1:25-26
(MIRA 12:4)
Ja '59.

1. Zaporozhskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta elektrifikatsii sel'skogo khozyaystva.
(Wire-rope transportation)

VOROBKALO, N., inzh.

Reinforced concrete piles for suspended roads. Sel'. stroi. 13
no.10:7-8 0 '58. (MIRA 11:10)
(Piling (Civil engineering)) (Precast concrete construction)

VOROBKALO, N. N.

USSR/Electricity - Poles, Reinforced May 50
Concrete
Transmission Lines, Electric

"Reliable and Economical Reinforced Concrete
Supports," N. N. Vorobkalo, 4½ pp

"Energet Byul" No 5

Describes various types of reinforced concrete
poles designed by the Zaporozh'ye Affiliate,
All-Union Sci Res Inst for Electrification of
Agr. (Editor notes centrifuged concrete poles
are extensively used by the Min of Petroleum
Ind, which produces them in Tbilisi.)

161T34

FDD

VERKHOVTSEV, V.S.; VOROBKEVICH, V.Yu.; RAKOV, M.A.; SINITSKIY, L.A.

Measuring d-c amplifier. Prib. i tekhn. eksp. 8 no.3:89-92
(MIRA 16:9)
My-Je '63.

1. Institut mashinovedeniya i avtomatiki AN UkrSSR.
(Amplifiers (Electronics))

ACCESSION NR: AF4015897

2/0039/64/025/001/0021/0024

AUTHOR: Vorobkevich, V. Ju. (Vorobkevich, V. Yu.); Daniljuk (Danilyuk), I. S.; Rakov, M. A.; Sinickij (Sinitskiy), L. A.; Sumkov, Ju. M. (Shumkov, Yu. M)

TITLE: A phase demodulator of the second harmonic, with width modulation

SOURCE: Slaboproud' obzor, v. 25, no. 1, 1964, 21-24

TOPIC TAGS: phase demodulator, modulation, width modulation, second harmonic, phase detector

ABSTRACT: A new phase demodulator of the second harmonic, with width modulation, is described, and its response (transfer coefficient, zero point stability, dynamic characteristics) is analyzed theoretically and confirmed experimentally. Designed with semiconductor triodes, the phase demodulator needs only a small signal power with sufficient zero stability and yields a high power gain. It was used in a measuring amplifier for constant current of high stability. Described by Blazhkevich, et al., in Trudy* konferentsii NTO Priboroprom. K 962. Orig. art. has 17 formulas and 7 figures.

Card 1/2

ACCESSION NR: AP4015897

ASSOCIATION: Ustav teorie stroju a automatizace Akademie ved Ukrainske SSR, Lvov (Institute of the Theory of Machines and Automation, AN UkrSSR)

SUBMITTED: 23Apr63

DATE ACQ: 03Feb64

ENCL: 00

SUB CODE: GE

NO REF Sov: 002

OTHER: 000

Card, 2/2

ACCESSION NR: AT4008773

6/3054/63/000/000/0330/0342

AUTHORS: Vorobkevich, V. Yu.; Danilyuk, I. S.; Sinit斯基, L. A.;
Rakov, M. A.; Shumkov, Yu. M.

TITLE: Pulse-width modulated phase detector

SOURCE: Pribory* promy*shlennogo kontrolya i sredstva avtomatiki.
Doklady* i soobshcheniya. Kiev, 1963, 330-342

TOPIC TAGS: phase detector, pulse width modulation, transistorized
phase detector, second harmonic detector, demodulator, transistor-
ized detector, pulse width modulated detector

ABSTRACT: The operating principles and properties of a second-har-
monic detector using transistors operating in the switching mode are
analyzed. The operation is based on double conversion of the mea-
sured signal. The second-harmonic signal is first mixed with a fun-
damental-frequency reference voltage. The resultant difference in

Card 1/12

ACCESSION NR: AT4008773

in the durations of the positive and negative half cycles of the combined signal is a function of both the ratio of the amplitudes of the first and second harmonics and of the phase shift between them. This makes it possible to use as the second conversion stage a circuit similar to an ordinary phase detector with switching transistors and to obtain both proportionality of the conversion and power amplification of the measured signal. The performance of the circuit is analyzed for different harmonic ratios as a function of the circuit parameters. The detector was used as a demodulator in a stabilized dc amplifier developed at the Institut mashinovedeniya i avtomatiki AN UkrSSR (Institute of the Science of Machines and Automation, AN UkrSSR). Orig. art. has: 8 figures and 19 formulas.

ASSOCIATION: Institut mashinovedeniya i avtomatiki AN UkrSSR (Institute of the Science of Machines and Automation, AN UkrSSR)

SUBMITTED: 00

DATE ACQ: 25Jan64

ENCL: 02

SUB CODE: SD

NO REF Sov: 000

OTHER: 000

Card 2/42

9.8200 (also 4762)

45296
S/651/62/000/006/008/010
E140/E135

AUTHOR: Vorobkevich, V.Yu.

TITLE: Electronic telemetering device

SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut
mashynoznavstva i avtomatyky, L'viv. Avtomaticheskiy
kontrol' i izmeritel'naya tekhnika, no.6. 1962. 165-168.

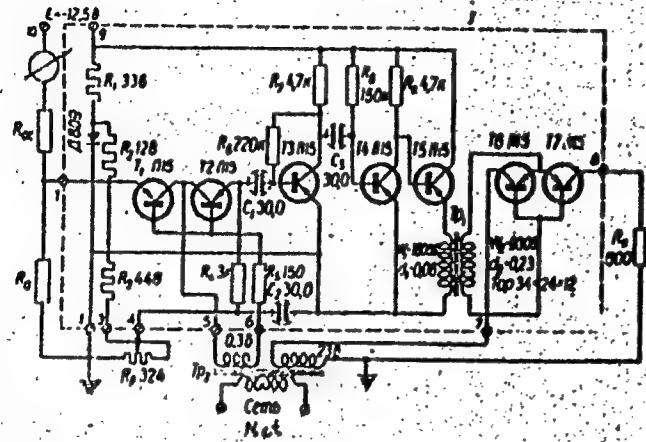
TEXT: The article describes an instrument for remote
indication of the reading of a galvanometer. A reference
potential is compared in this instrument with the potential drop
across a calibration resistance due to the output current of a
self-balancing potentiometer. Fig.1 shows the circuit of a
There is 1 figure. *X*

Card 1/2

Electronic telemetering device

S/651/62/000/006/C08/010
E140/E135

Fig. 1



Card 2/2

VASIL'YEV, Ye.D.; VERKHVTSEV, V.S.; VOROBKEVICH, V.Yu.; DANILYUK, I.S.; PETRUSHKO, I.V.; PILIPENKO, N.S.; RAKOV, M.A.; ROZHANOVSKIY, R.V.; SINITSKIY, L.A., kand. tekhn. nauk; SHKOL'NTY, V.A.; SHUMKOV, Yu.M.; YEVSEYENKO-MISURENKO, I.V., red.

[Direct current measuring converters] Izmeritel'nye preobrazovateli postoiannogo toka. Kiev, Naukova dumka, 1965. 373 p.
(MIRA 18:6)

1. Akademiya nauk URSR, Kiev. Fiziko-mekhanichnyi instytut.
2. Fiziko-mekhanicheskiy institut AN Ukr.SSR, g.L'vov (for all except Yevseyenko-Misurenko).

VOROBIEVICH, V.Yu.

A contactless signaling device. Avtom.kont.i izm.tekh. no.6:165-
168 '62. (MIREA 16:2)
(Electric measurements)

L 10015-63

ACCESSION NR: AP3002726

8/0120/63/000/003/0089/0092

44

AUTHOR: Verkhovtsev, V. S.; Vorobkevich, V. Yu.; Rakov, M. A.; Sinitakiy, L. A.

TITLE: D-c measuring amplifier

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1963, 89-92

TOPIC TAGS: d-c measuring amplifier, strong negative feedback, d-c to a-c converter, magnetic modulator, frequency doubling, voltage amplifier

ABSTRACT: The development of a d-c amplifier capable of measuring extremely small signals is reported. The amplifier uses a signal modulator with a magnetic modulator. The use of a magnetic modulator makes it possible to increase the measurement range, which is 100 times greater than with an ordinary modulator. The output voltage is 6 V, while the error is 0.01% at 100 Hz. The frequency response is 0.1-1000 Hz. The excitation frequency of the modulator is 1000 Hz. A schematic of the circuit is given, as is a block diagram of the amplifier and its circuit, and the circuit of the magnetic modulator.

Card 1/2

L 70015-63
ACCESSION NR: AP3002726

The two-stage tuned amplifier suppresses first and third harmonics by a factor of 150 and 80, respectively. The voltage amplification factor is approximately 5000. The bright-type transistors of the phase detector are a matched pair of 2N2222A transistors. The detector is biased with a 1000-ohm resistor and a 100-ohm feedback resistor.

It is not always possible to use the amplifier as the last stage. The noise and distortion when it is necessary to use the stage as a preamplifier is often very large. The noise is proportional to the square of the temperature, and the distortion is proportional to the square of the temperature raised to the 1.5 power.

ASSOCIATION: Institut mashinovedeniya i avtomatiki AN USSR (Institute of Machine
Science of Machines and Automation AN USSR).

SUBMITTED: 16 Jul 62 DATE ACQ: 12 Jul 63 ENCL: 00

SUB CODE: 00 NO REF SOV: 000 CLEER: 002

Card 2/2

VOROBKEVICH, V.Yu.; NIKOLAYENKO, Yu.B.; RAKOV, M.A.; SINITSKIY, L.A.

Measurement converter with a galvanic separation of the input and
output. Priborostroenie no.9:19-21 S '64. (MIRA 17:11)

BLAZHKEVICH, B.I.; VERKHVTSEV, V.S.; VOROBKEVICH, V.Yu.; RAKO, M.A.;
SINITSKIY, L.A.; SMIRNOV, N.I.; SHKOL'NYY, V.A.

Magnetic semiconductor millivoltmeter for measuring the
electromotive force of thermocouples. Avtom.kont. 1 izm.
tekhn. no.5:142-148 '61. (MIRA 14:11)
(Millivoltmeter)

ACCESSION NR: AP4040460

S/0108/64/019/006/0045/0049

AUTHOR: Vorobkevich, V. Yu.

TITLE: Frequency stabilization in the relaxation oscillator by a tuned LC-circuit

SOURCE: Radiotekhnika, v. 19, no. 6, 1964, 45-49

TOPIC TAGS: oscillator, relaxation oscillator, frequency stabilization,
relaxation oscillator stabilization

ABSTRACT: A theoretical analysis of a relaxation oscillator whose frequency is stabilized by a tuned LC-circuit cut in series with the oscillator control winding (see Enclosure 1) is presented. The effects of supply voltage, load, Q-factor of the oscillatory circuit, and transistor current gain upon the relaxation-oscillator frequency are analyzed. An experimental verification included a relaxation oscillator designed with P25 transistors and D7A diodes and operated at 1,000 cps and an output power of 1 w. Frequency deviation vs. Q-factor (up to 16) and load

Card 1/3

ACCESSION NR: AP4040460

curves show some degree of agreement with the developed formulas. Orig. art. has: 4 figures and 13 formulas.

ASSOCIATION: none

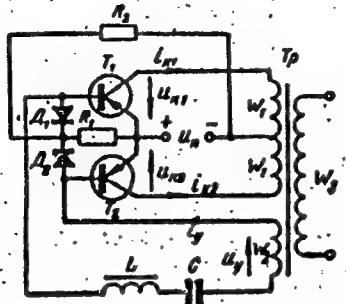
SUBMITTED: 20Dec62 DATE ACQ: 06Jul64 ENCL: 01

SUB CODE: EC NO REF SOV: 001 OTHER: 001

Card 2/3

ACCESSION NR: AP4040460

ENCLOSURE: 01



A relaxation oscillator whose frequency is stabilized by a tuned LC-circuit

Card 1
3/3

VOROBKEVICH, V.Yu.

Frequency stabilization of a relaxation oscillator using a
resonant LC stage. Radiotekhnika 19 no.6:45-49 Je '64.
(MFA 17.10)

L 02414-67

ACC NR: AP6018022

SOURCE CODE: UR/0102/66/000/003/0072/0077

AUTHOR: Vorobkevych, V. Yu. -- Vorobkevich, V. Yu. (L'vov); Rakov, M. A. (L'vov)

ORG: None

TITLE: A measuring transducer with input-output isolation 443

SOURCE: Avtomatyka, no. 3, 1966, 72-77

TOPIC TAGS: negative feedback, automatic control theory, semiconductor rectifier, switching circuit, magnetic modulation

ABSTRACT: The authors describe the working principle of a device for isolating the input terminals of a measuring transducer from its output terminals. Since the operating element is not involved in negative feedback, it ensures high precision of conversion. A d-c transformer of this type can be made by converting the output voltage of a measuring transducer into a-c voltage with subsequent transformation and rectification using transistors in a switching circuit. The transistors at the input are controlled by an external source and act as a modulator which changes d-c voltage into square-wave a-c. This alternating current is rectified by transistors which open the demodulator circuit and are controlled by the same voltage source. The possible sources of error are analyzed and the conclusion is drawn that the isolation device can achieve conversion linearity of at least 0.1% at 20°C where additional error is

Card 1/2

L 02414-67

ACC NR: AP6018022

not more than 0.1% at 20-70°C. Experimental data are given for operation of the measuring transducer with isolation. This transducer has a magnetic modulator with double-frequency input, converting a d-c input signal into a-c voltage. This type of modulator maintains high stability at the zero level which makes it possible to develop a measuring transducer with an error of less than 0.3%, using the isolating device at 20-60°C. The device may be used in switching from a circuit without isolation to one with isolation without difficult adjustment. Orig. art. has: 2 figures.

SUB CODE: 09/ SUBM DATE: 30Jul64/ ORIG REF: 001

hs

Card 2/2

VOROBKOV, A. N.

"Artificial Lowering of the Water Table by Means of 'Needle' Filters," and "Establishment of Vacuum Airlift Filters for Lowering the Water Table," reports given at Soviet Conference on Construction Problems of Water-Well Filters, Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, No 5, 1950.

Digest W-15118, 10 Nov 50

NIKOLAYEVSKIY, G.M., kand.tekhn.nauk; SNESAREV, G.A., kand.tekhn.nauk;
BALASHOV, V.P., kand.tekhn.nauk; AKSENOV, I.P., kand.tekhn.nauk;
MEKLER, A.G., kand.tekhn.nauk; SPITSINA, I.O., kand.tekhn.nauk;
ZORIN, Z.M., inzh.; VOROBKOV, G.N., inzh.; IVASHKOV, I.I., kand.
tekhn.nauk; OSIPOVA, L.A., red.izd-va; MODEL', B.I., tekhn.red.

[Design of crane mechanisms and parts of hoisting and conveying
machinery] Raschety kranovykh mekhanizmov i detalei pod"emno-
transportnykh mashin. Izd.2., perer. i dop. Moskva, Gos.nauchno-
tekhn.izd-vo mashinostroit.lit-ry, 1959. 493 p.

(MIRA 13:11)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut
pod"emno-transportnogo mashinostroyeniya.
(Cranes, derricks, etc.) (Hoisting machinery)
(Conveying machinery)

VOROB'KOV, G.N.

NIKOLAEVSKIY, G.M., kandidat tekhnicheskikh nauk; ALEKSANDROV, M.P.,
kandidat tekhnicheskikh nauk; AKSENOV, I.P., kandidat tekhnicheskikh
nauk; MEKLER, A.G., kandidat tekhnicheskikh nauk; SPITSYNA, I.O.,
kandidat tekhnicheskikh nauk; ZORINA, Z.M., inzhener; VOROB'KOV, G.N.,
inzhener; IVASHKOV, I.I., kandidat tekhnicheskikh nauk; POLKOVNIKOV,
V.S., kandidat tekhnicheskikh nauk; MODEL', B.I., tekhnicheskiy
redaktor

[Calculations for crane mechanisms and parts for hoisting and
conveying machines] Raschety kranovykh mekhanizmov i detalei
pod'ezhno-transportnykh mashin. Moskva, Gos.nauchno-tekhn.izd-vo
mashinostroit.lit-ry, 1957. 435 p. (MIRA 10:8)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut pod'ezhno-
transportnogo mashinostroyeniya
(Cranes, derricks, etc.)

VOROBKOV, L.N., kand. tekhn. nauk

Problems of engineering construction research for designing
pile foundations. Prom. stroi. 43 no.10:11-15 '65.

(MIRA 18:11)

1. Gosudarstvennyy institut po proyektirovaniyu osnovaniy
i fundamentov.

TROFIMENKOV, Yury Grigor'yevich; VOROBKOV, Lev Nikolayavich;
SMIRNITSKIY, Andrey Ivanovich; BENEDEIKTOV, Aleksey
Aleksandrovich; DURANTE, V.A., kand. tekhn. nauk,
retsenzent;

[Field methods of studying the structural properties of
soils] Polevye metody issledovaniia stroitel'nykh svoistv
gruntov. Moskva, Stroizdat, 1964. 144 p. (MIRA 17:11)

TER-GALUSTOV, S.A.; VOROBKOV, L.N.; IVANOV, O.I.

Forces of friction arising between drilling supports and the soil of
the wall of bores treated with clay. Osn., fund. i mekh. grun. 3
no.4:5-7 '61. (MIRA 14:8)

(Friction) (Boring)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860810017-9

SOV/4912

PHASE I BOOK EXPLOITATION

Vorobkov, Lev Nikolayevich, Vladimir Matveyevich Gavrilko, Petr
Vladimirovich Lobachev, and Vsevolod Mikaylovich Shestakov

Vodoponizheniye v gidrotekhnicheskem stroitel'stve (Lowering the
Water Table in Hydrotechnical Construction) Moscow,
Gosstroyizdat, 1960. 243 p. Errata slip inserted. 4,000 copies
printed.

Scientific Ed.: Yu. G. Trofimenkov, Candidate of Technical
Sciences; Ed. of Publishing House: P. V. Safonov; Tech. Ed.:
Ye. L. Temkina.

PURPOSE: This book is intended for engineering and technical per-
sonnel in hydrotechnical construction who are occupied with
problems of lowering water tables. The book may also be of
interest to mining personnel.

COVERAGE: The authors discuss the designing and calculation of
systems for lowering water tables. They deal chiefly with

cont 1/7

Lowering the Water Table (Cont.)

SOV/4912

large systems used in excavations for water works. Problems in installing the lowering apparatus are discussed. Special attention is given to the method using deep wells. Considerable space is given to the question of designing drainage systems for open-cut mine workings. L. N. Vorobkov wrote Sec. 1 of Ch. I, Sec. 1 of Ch. II, Sec. 1 of Ch. IV, and Secs. 1 and 2 of Ch. VII. V. M. Gavrilko wrote Ch. V and Secs. 1, 2, 3, 5, and 6 of Ch. VI. P. V. Lobachev wrote Secs. 3 and 4 of Ch. II; Secs. 2 and 3 of Ch. IV, and Sec. 4 of Ch. VII. Secs. 2 and 3 of Ch. I, Ch. III, and Sec. 4 of Ch. VI were written by V. M. Shestakov. Sec. 3 of Ch. VII was based on materials supplied by Engineer A. O. Shestopal. The authors thank Candidates of Technical Sciences V. M. Grigor'yev and Yu. G. Trofimov for their assistance. There are 100 references: 87 Soviet, 5 German, 6 English, and 2 French.

TABLE OF CONTENTS:

Introduction

3

Card 2/7

VOROBKOV, Lev Nikolaevich, kand.tekhn.nauk; GAVRIILKO, Vladimir Matveyevich, kand.tekhn.nauk; LOBACHEV, Petr Vladimirovich, kand.tekhn.nauk; SHESTAKOV, Vsevolod Mikhaylovich, kand.tekhn.nauk; TROFIMENKOV, Yu.G., kand.tekhn.nauk, nauchnyy red.; SAFONOV, P.V., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Lowering the water table in building hydraulic structures] Vodo-ponizhenie v gidrotekhnicheskem stroitel'stve. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 243 p.

(MIRA 13:12)

(Hydraulic structures) (Water, Underground)

VOROBKOV, L. N. Cand Tech Sci -- (diss) "Lowering of water [redacted] by means of ejector needle filters." Mos, 1958. 16 pp (Acad of Construction and Architecture USSR. Sci Res Inst of Bases and Underground Structures NIIGTP), 100 copies (KL, 14-58, 112)

SOV/112-57-9-18493

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 9, p 57 (USSR)

AUTHOR: Vorobkov, L. N.

TITLE: Water-Table Lowering at the Construction Site of Principal Structures of the Gor'kly Hydroelectric Station (Vodoponizheniye na stroitel'stve osnovnykh sooruzheniy Gor'kovskoy gidroelektrostantsii)

PERIODICAL: V sb.: Opyt iskusstv. ponizheniya urovnya grunt. vod na str-ve hidroelektrostantsiy, M.-L. Gidroenergoizdat, 1956, pp 38-49

ABSTRACT: Bibliographic entry.

Card 1/1

VOROBKOV, L.N.

Investigating the performance of ejector pumps placed on
various levels in relation to the water table. [Trudy]
HIIOSP no.35:51-56 '59. (MIRA 12:12)
(Pumping; machinery) (Water, Underground)

VOROBKOV, L. N.

Primenenie vodoporizitel'noi ustanovki s legkimi iglofil'trami pri sooruzhenii kotlyanov
/ Use of water reduction equipment with light needle filters in ditch construction /.
Moskva, Gosenergoizdat, 1953. 24 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 12 March 1954.

VOROBOCHOV, L.A.; PUGACHEV, A.G.

The procedure and surgical technics in the treatment of atresia
of the anus and rectum in newborn infants. "Ozhl. chir. 41 no.3:
219-223 Mr '62.

1. Klinika detsko chirurgie Lekarskoho institutu N.I.Pirogova,
Moskva.

(ANUS abnorm) (RECTUM abnorm)

VOROB'CV, A.

VOROB'CV, A. New method of manufacturing insulation for ground heat conduits.
p. 15.

Vol. 2, no. 10/11, 1955

STROITELSTVO

TECHNOLOGY

Sofiya, Bulgaria

So: East European Accessions, Vol. 5, no. 5, May 1956

SONIS, L.G.; VOHOBLOV, V.M.

Programming numeral metering device. Ratsionalizatsiia 13
no.8: 18 '63.

1. Svedrlovski politekhnicheski institut.

SOV/146-58-5-10/24

9(2,3)
AUTHOR:

Vorobrev, E.A., Aspirant

TITLE:

Determination of Tolerance in the Production of
Frame Antennas

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Priborostroy-
eniye, 1958, Nr 5, pp 64-68 (USSR)

ABSTRACT:

The problem of the production tolerance is particularly important in connection with antennas which are built with a pointed shape and have only a small radiation to the sides. The amplitude of the single radiators does not only depend on the accuracy with which they were made, but also on the quality of the single parts of the antenna. The article then deals with the problem, of how the theoretical results of earlier studies on this subject can be most efficiently put into practice. The article deals in detail with the principle of electrical circuits, the selection of measuring techniques and technological principles, rational design, problems of design, and finally with examples of calculation. The antenna discussed

Card 1/2

SOV/146-58-5-10/24

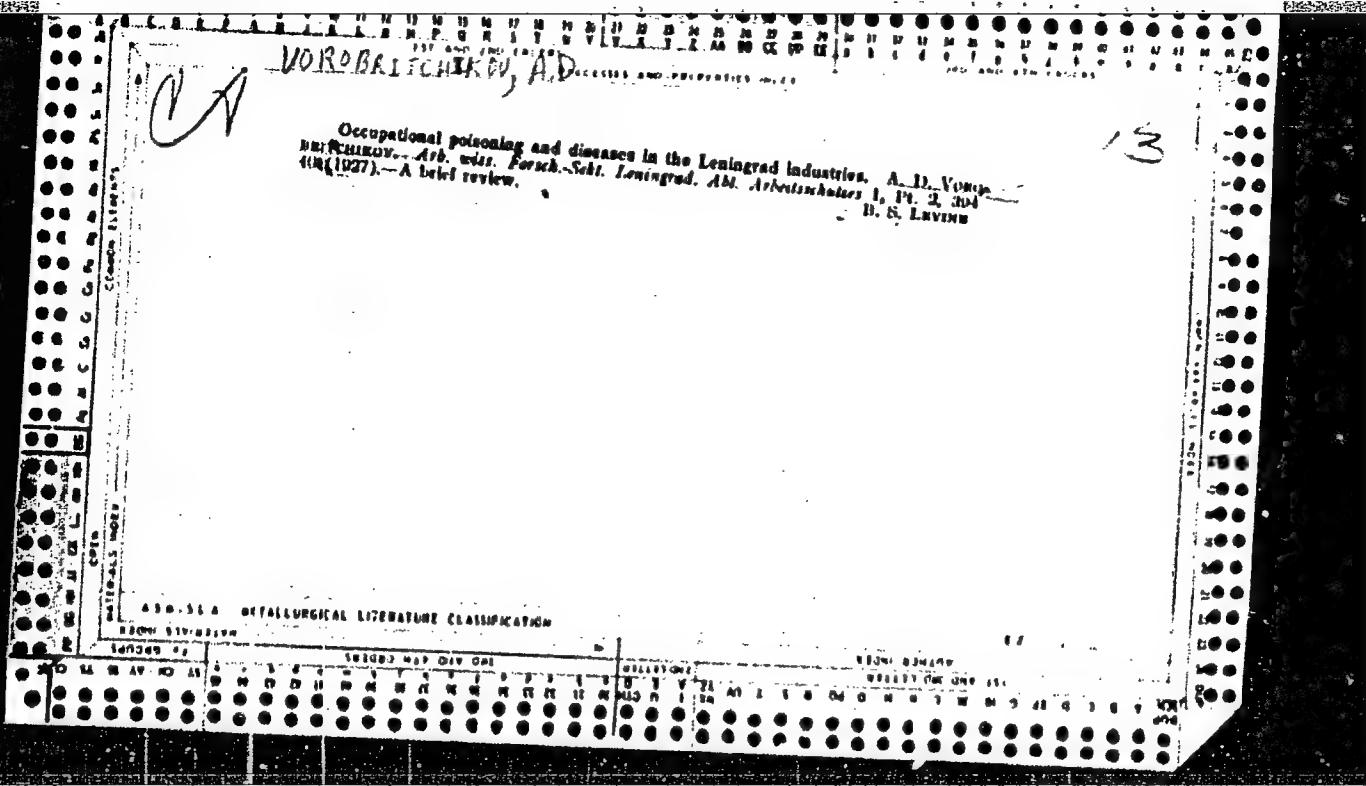
Determination of Tolerance in the Production of Frame Antennas

in this article has horizontal branches, which are triangular and point to the center. Figure 2 shows part of the frame antenna (1 - symmetric branch; 2 - antenna branch). There are 1 graph and 1 diagram.

ASSOCIATION: Leningradskiy institut tochnoy mechaniki i optiki
(Leningrad Institute of Fine Mechanics and Optics)

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Card 2/2



VOROBTSOV, I.P., inzh.; MOROTOV, Ye.M.

Trench excavators made by the Dmitrovskii plant for working frozen ground. Stroi. i dor. mash. 6 no.10:14-16 0 '61.
(MIRA 14:10)

(Excavating machinery)
(Frozen ground)

VOROBTSOV, I.P., inzh.; FIOLIN, I.Z., inzh.

ETR-131 wheel-type excavator. Stroi. i dor. mash. 6 no.5:8-9
My '61. (MIRA 14:6)
(Excavating machinery)

VOROBTSOV, V.I., kand.med.nauk; POMERANTSEV, A.A., dotsent

Life and creative activity of Nikolai Fedorovich Leznev; on the
30th anniversary of his death. Urologia 27 no.4:3-6 Jl-Ag '62.
(LEZNEV, NIKOLAI FEDOROVICH, 1873-1932)

VOROBTSOV, V.I., kand.med.nauk

Modification of the operation of tunnel formation of the urethra
in traumatic strictures and obliterations. Urologia no.1:71-76
'62. (MIRA 15:11)

1. Iz urologicheskogo otdeleniya (zav. - kand.med.nauk V.I.
Vorobtsov) TSentral'noy klinicheskoy bol'nitsy imeni N.A.
Semashko Ministerstva putey soobshcheniya.
(URETHRA--SURGERY)

VOROBTSOV V.I.

SOBOLEV, I.I. [deceased]; VOROBTSOV, V.I.; GORELIK, S.L., redaktor;
BOBROVA, Ye.N., tekhnicheskiy redaktor

[Urological diseases requiring immediate surgery] Neotloshnaya
khirurgicheskaya urologiya. Moskva, Gos. izd-vo meditsinskoy lit-
ry, 1954, 162 p.
(Genitourinary organs--Diseases)

/VOROBTSOV, V. I.

TOPCHAN, A.B., professor, redaktor; FRUMKIN, A.P., professor, redaktor;
VOROBTSOV, V.I., kandidat meditsinskikh nauk, redaktor.

[Transactions of the Second All-Union Conference of Urologists,
January 27-30, 1951, Moscow] Trudy vtoroi vsesoiuznoi konferentsii
urologov 27-30 Ianvaria 1951 g. Moskva, Gos. izd-vo med. lit-ry,
1954. 215 p.
(Urinary organs--Diseases)

VOROBTSOV, V.I., kandidat meditsinskikh nauk.

Analysis of fatality in hypertrophy of the prostate. Khirurgia no.2:
60-64 F '54. (MIRA 7:5)

1. Iz urologicheskoy kliniki (direktor - professor A.B.Topchan) II
Moskovskogo meditsinskogo instituta im. I.V.Stalina.
(Prostate gland--Diseases)

VOROBTSOV, V.L.

VOROBTSOV, Vasiliy Ionovich

[Renal calculus diseases] Pochechnokamennaya bolezn'. M, Medgiz,
1955 262 p. (MIRA 8:10)
(KIDNEYS--SURGERY) (CALCULI, URINARY)

VOROBTSOV, V.I.

VOROBTSOV, V. I., kandidat meditsinskikh nauk

Calculous emuria. Urologiia no.1:25-29 Ja-Mr '55 (MLRA 8:10)

1. Iz urologicheskogo otdeleniya (nach. V.I. Vorobtsov) Tsentral'noy klinicheskoy bol'nitsy imeni N.A. Semashko (nach. kandidat meditsinskikh nauk F.L. Leont'yev) Ministerstva putey soobshcheniya SSSR.

(ANURIA,
calculous)

VOROBTSOV, V. I.

TOPCHAN, A.B., professor (Moscow)

"Urological diseases requiring immediate surgery." I.I.Sobolev.

V.I.Vorobtsov. Reviewed by B.A.Topchan. Urologija no.1:92-94

(MLRA 8:10)

(GENITOURINARY ORGANS--SURGERY) (SOBOLEV, I.I.)

(VOROBTSOV, V.I.)

VOROBTSOV, V.I., kandidat meditsinskikh nauk

Secondary heminephrectomy in hemorrhage of polycystic horseshoe kidney. Urologia 21 no.4:49-52 O-D '56. (MLRA 10:2)

1. Iz urologicheskogo otdeleniya (nach. V.I.Vorobtsov) TSentral'noy klinicheskoy bol'nitsy imeni N.A.Semashko (nach. - kandidat meditsinskikh nauk F.L.Leont'yev) Ministerstva putey soobshcheniya.

(KIDNEY DISEASES, surg.

polycystic horseshoe causing hemorrh.)

(HEMATURIA, etiol. and pathogen.

polycystic horseshoe kidney, surg.)

ABRAMYAN, A.Ya., prof.; ATABEKOV, D.N., prof.; VOROBTSOV, V.I., kand. med. nauk; GASPAKIAN, A.M., prof.; GREBENSHCHIKOV, G.S., prof.; DZHAVAD-ZADE, M.D., kand. med. nauk; DUNAYEVSKIY, L.I., dots.; prof.; LOPATKIN, N.A., dots.; POMERANTSEV, A.A., dots.; PYTEL', A.Ya., prof.; RIKHTER, G.A., prof.; RUSANOV, A.A., prof.; SMIRNOV, A.V., prof.; SYROVATKO, F.A., prof.; TSULUKIDZE, A.P., prof.; SHAPIRO, I.N., prof.; EPSHTEYN, I.M., prof.; PETROVSKIY, B.V., prof., otv. red.; BAKULEV, A.N., akademik, red.; GULIAYEV, A.V., prof.; YEGOROV, B.G., prof., red.; KUPIRIYANOV, P.A., prof., red.; PANKRAT'YEV, B.Ye., prof., red.; FILATOV, A.N., prof., red.; CHAKLIN, V.D., prof., red. GORELIK, S.L., red.; GABERLAND, M.I., tekhn. red.

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po khirurgii. Moskva, Gos. izd-vo med. lit-ry. Vol.9. [Surgery of the urinary and genital organs and the retroperitoneal space] Khirurgija mochevykh i polovykh organov i zabriushinogo prostranstva. 1959. 630 p. (MIRA 15:4)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Petrovskiy, Yegorov, Kupriyanov).
(RETROPERITONEAL SPACE—SURGERY)
(GENITOURINARY ORGANS—SURGERY)

PYTEL¹, Anton Yakovlevich, prof.; GOLICORSKIY, Solomon Davidovich,
kand.med.nauk; VOROBTSOV, V.I., red ; ZUYEVA, N.K., tekhn.red.

[Pyelonephritis] Pielonefrit. Moskva, Medgiz, 1961. 260 p.
(MIRA 15:7)
(KIDNEYS--DISEASES)

VOROBTSOV, V.I., kand.med.nauk (Moskva)

Review of L.I. Dunaevskii's "Adenoma of the prostate." Urologiia 24
no.5:77-80 8-0 '59. (MIRE 12:12)

(PROSTATE BODY--TUMORS)
(DUNAEVSKII, L.I.)

FRUMKIN, A. P., zasl. deyatel' nauki prof, red. [deceased]; PYTEL', A. Ya., prof., zam. red.; VOROBTSOV, V. I., kand. med. nauk, red.; GOL'DIN, G. I., doktor med. nauk, red.; LEVANT, D. Ye., dots., red.; PORUDOMINSKIY, I. M., prof., red.; EPSHTEYN, I. M. prof., red.; LEVANT, D. Ye., red.; BEL'CHIKOVA, Yu. S., tekhn. red.

[Transactions of the Fourth All-Union Conference of Urologists, Moscow, June 24-30, 1961] Trudy Vsesoyuznoi konferentsii urologov. 4th, Moscow, 1961. Moskva, Medgiz, 1963. 238 p.
(MIRA 17:3)

1. Vsesoyuznaya konferentsiya urologov. 4th, Moscow, 1961.

VOROBTSOV, V.I., kand.med.nauk (Moskva)

"Cryptorchism and its treatment" by E.S. Shakbazian. Reviewed by
V.I. Vorobtsov. Urologiia 23 no.4:81-82 J1-Aug '58 (MIRA 11:8)
(TESTICLE--ABNORMALITIES AND DEFORMITIES)
(SHAKHBAZIAN, E.S.)

VOROBTSOV, V.I.

VOROBTSOV, V.I., kand.med.nauk (Moskva)

"Transplantation of the ureters into the intestines" by A.P.
TSulukidze, D.D.Murvanidze. Reviewed by V.I.Vorobtsov, Urologii
22 no.4:80-82 Jl-Ag '57. (MIRA 10:10)

(URETERS--TRANSPLANTATION)
(TSULUKIDZE, A.P.) (MURVANIDZE, D.D.)

VOROBTSOV, V.N.; LIKTER, I.N.; FEDOROV, L.S.

Automatic prevention of the discharge of bitumen in oxidation.
Neftper. i neftekhim. no.9:36 '64. (MIRA 17:14)

1. Angarskiy neftepererabatyvayushchiy zavod.

VOROBTSOV, Ye., inzh.; TURETSKIY, V., inzh.

Improve the planning of piers equipped with cranes. Mar. flot
25 no.9:38-41 S '65. (MIRA 18:9)

VOROBTSOV, Ye.

VOROBTSOV, Ye.; LARIN, A.

PTS-4 held leader. Mor.flet 17 no.8:10-13 Ag '57. (MIRA 10:10)

1.Glavnyy konstrukter TSentral'nego proyektno-konstruktorskogo
byuro No.4. 2.Starshiy inzhener Upravleniya perevozok khozyaystva
i mekhanizatsii Ministerstva morskego flota SSSR.
(Loading and unloading)

VOROBTSOV, Yevgeniy Stefanovich; KOMAROV, V.A., retsenzent; ANDREIEVA, L.S., red.; TIKHONOVA, Ye.A., tekhn.red.

[Mechanization of transfer operations of hold, freight car, and warehouse materials in seaports] Mekhanizatsiya triumnykh, vagonnykh i skladskikh peregruzochnykh rabot v morskikh portakh. Moskva, Izd-vo "Morskoi transport," 1961. 346 p.

(MIRA 15:5)

(Materials handling) (Harbors)

LARIN, Aleksandr Aleksandrovich; TARASOV, Fedor Kendrat'yevich;
VOROB'ISOV, Ya.S., red.; YAROVA, L.V., red.izd-va; SARAYEV,
B.A., tekhn.red.

[New unloading machinery for sea ports] Novye peregruzochnye
mashiny dlja morskikh portov. Moskva, Izd-vo "Morskoi transport,"
1959. 90 p. (MIRA 13:3)
(Loading and unloading) (Harbors)

VOROBTSOV, Ye.S., inzhener.

Mechanization of hold work in transportation bulk and piece cargo in
sea ports. Mekh. trud.rab.10 no.4;43-46 Ap '56. (MLRA 9:7)
(Cargo handling)

L 10925-67

ACC NR:

AR6034797

(v) SOURCE CODE: UR/0388/66/000/008/A011/A011

AUTHOR: Miroshnichenko, I. P.; Vorobtsov, Ye. S.; Sidorov, B. K.

8

TITLE: Architectural and construction improvements and cargo characteristics of the SEV-2 universal dry-cargo ships with a dead weight of 12500 tons to be built between 1966 and 1970

SOURCE: Ref. zh. Vodnyy transport, Abs. 8A64

REF SOURCE: Tr. Tsentr. n.-i. in-ta morsk. flota, vyp. 67, 1965, 120-128

TOPIC TAGS: cargo ship, shipbuilding engineering, marine engine, cargo handling/595 A II ship

ABSTRACT: The results are presented of investigations of ships with a dead weight of about 12,500 tons carried out at the Central Scientific Research Institute of the Maritime Fleet (TsNIIMF). An estimate is given for the adaptability of different classes of ships to high-speed cargo handling. The 595 A II with twin hatches is found to be the most efficient ship. The main dimensions and characteristics of this ship are as follows: The maximum length—152.8 m, the length between uprights—140.0 m, width—20.6 m, side height to top deck—12.3 m.

Card 1/2

UDC: 629.12.001.2.001.1

I. 10925-67

ACC NR: AR6034797

0
draft at the plimsoll line—9.1 m, dead weight—12,800 tons, power of the main
engine—9000 hp, and cruising speed—17.2 knots. [Translation of abstract]

SUB CODE: 13/

Card 2/2 ^{b7c}

VOLCHKOV, Yu.A.; VOROBTSOVA, I.Ye.

Comparative study of the frequency of occurrence of dominant
lethal mutations in various *Drosophila melanogaster* stocks.
Vest. LGU 19 no.15:124-129 '64.

(MIRA 17:11)

VOROB'YEV, A., inzh. (g.Orel)

Protective shields for work in city electric systems, Zhil.-kom,
khoz. 11 no.2:27 F '61. (MIRA 14:5)
(Electric protection)